



Explosives Safety Aspects



DoD Explosives Safety Board

Overseas AA&E Conference
18 – 20 June 2002

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DoD Explosives Safety Board
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Mission

To *establish DoD standards* and
advise the SECDEF and Service Secretaries*
on matters concerning *explosives safety* and
to *prevent conditions* that *endanger life*
and *property* on and off installations
from DoD munitions**

* Includes CINCs & other DoD Components

** Includes Toxic Chemical Warfare Agents



Background



**Major
Explosives
Accidents**



The beginning... 1926 - Lake Denmark, NJ



Why Are We Concerned?



- **Personnel Protection Extends to Both:**

- Those Who Work With Ammo and
- Those Who Do Not Work With Ammo

Plus

- **Asset Preservation**

Plus

- **Mishap Prevention**

Equals

Fully Capable, Mission Ready Force

***Supports
CINC Warfight
Capability***



DDESB Interests



- **Explosives Safety**
 - DoD 6055.9-STD
 - Service Implementing Guidance
 - Host Nation / SOFA / Bi-Laterals
- **Operational Aspects Including:**
 - Staging Areas
 - Holding Areas
 - Handling / Operating Areas
 - All Movement Modes / Nodes



Areas of Particular Concern



- **Port Operations**
- **Barge Operations**
- **Terminal Operations -- all Modes**
- **Holding Areas**
 - Rail
 - Road
 - Aerial
- **Handling Operations**
- **Mode Transfer / Change Operations**



Quantity Distance

- **Safe Separation Distances**
 - Personnel Safety
 - Preclude Propagation
- **Protection of Personnel & Materiel**
 - Fragmentation
 - Blast Effects
 - Thermal Effects
- **US and Local National Personnel**
- **Most Stringent Rules Apply**



What Gets Sited?

- **Ammunition Holding Areas / Yards**
- **Airfields, Heliports, Seadromes**
- **Pier and Wharf Facilities**
- **Storage Facilities**
- **Maintenance Facilities**

**All *Potential Explosion* and *Exposed Sites*
Require DDESB Approval / Siting**



Bottom Line

Cardinal Principle

Minimum personnel exposed

Minimum explosives

Minimum exposure time



Service Explosives Safety Support Activities



- **US Army Technical Center for Explosives Safety (USATCES)**
 - Mr. Kenneth Williams, DSN 956-8756
 - kenyon.williams@dac.army.mil
- **Naval Ordnance Safety and Security Activity (NOSSA)**
 - Mr. Rick Adams DSN 354-4965
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- **USAF Safety Center**
 - Ms. LeaAnn Cotton, DSN 246-1395
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REMEMBER



**WHEN YOUR AMMO
BLOWS UP-
IT'S GONE !**

**BOTTOM LINE
YOU CAN'T FAX AMMO
TO THE BATTLEFIELD**



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